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REF. 63

April 25, 1996

Ms. Jeanne Griffin
U.S. Environmental Protection Agency
Region 5 (HSM-5J)
77 West Jackson Boulevard
Chicago, IL 60604

Subject: **Revised Final Hazard Ranking System (HRS) Documentation Record**
Sauget Area 1
St. Clair County, Illinois
Contract No. 68-W8-0084, Work Assignment No. 31-5JZZ

Dear Ms. Griffin:

As you requested during our telephone conversation yesterday, I am enclosing additional information on the determination of flow rates and wetlands frontage in the above-referenced documentation record. In addition, I could also prepare revised pages of the documentation record that incorporate the enclosed information in redlined text. Please let me know if you would find the revised pages useful. I would be able to provide the revised pages to you later today.

If you have any questions, please call me at 312/946-6476.

Sincerely,

Sandy Anagnostopoulos

Enclosure

cc: Thomas Short, EPA Project Officer (letter only)
Peggy Hendrixson, EPA Administrative Contracting Officer (letter only)
Majid Chaudhry, PRC Program Manager (letter only)

Additional Flow Rate and Wetlands Information for the Revised Final Hazard Ranking System (HRS) Documentation Record Sauget Area 1 St. Clair County, Illinois

Based on a conversation between PRC Environmental Management, Inc. (PRC), and the U.S. Army Corps of Engineers, data on flow rates for Old Prairie duPont Creek and the Cahokia Chute of the Mississippi River are not available (see Ref. 44 of the Sauget Area 1 revised final HRS documentation record); therefore, the flow rates were estimated based on topographic maps (Ref. 8) and PRC's observations (Ref. 14) of the two surface water bodies. During PRC's site visit, PRC took field notes; however, the field notes do not state an estimated flow rate for Old Prairie duPont Creek or the Cahokia Chute. During the preparation of the HRS documentation record, PRC described Old Prairie duPont Creek as a small to moderate stream with an estimated average flow rate of 10 to 100 cubic feet per second (csf). PRC described the Cahokia Chute as a large stream to river with an estimated average flow rate of 1,000 to 10,000 csf.

Wetlands along Dead Creek considered subject to Level II contamination are shown in Figure 10 of the HRS documentation record. These wetlands extend from the probable point of entry to sampling location X111. This distance was estimated on Figure 10 to be 3,500 feet. Wetlands exist along either side of Dead Creek within this area; therefore, the total wetlands frontage exposed to Level II contamination is calculated as follows:

3,500 feet x 2 sides = 7,000 feet

Wetlands considered subject to potential contamination extend along Old Prairie duPont Creek, Cahokia Chute, and the Mississippi River. Wetlands frontage along these surface water bodies was measured from National Wetland Inventory maps using an American Map Corporation map measurer (Ref. 25; Ref. 26; Ref. 27).